



## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/14202

	SSIFICATION OF SUBJECT MATTER		
IPC(7) US CL	: H04J 1/16 : 370/466		
	International Patent Classification (IPC) or to both n	ational classification and IPC	
B. FIEL	DS SEARCHED		
	cumentation searched (classification system followed 70/264, 265, 300, 352, 395.1, 449, 466, 468, 470, 4		
Documentation	on searched other than minimum documentation to the	e extent that such documents are included	l in the fields searched
Electronic da East, NPL	ata base consulted during the international search (nan	ne of data base and, where practicable, so	earch terms used)
C. DOC	UMENTS CONSIDERED TO BE RELEVANT		· · · · · · · · · · · · · · · · · · ·
Category *	Citation of document, with indication, where ap		Relevant to claim No.
· <b>A</b>	KRAIMECHE, B. Integration of VBR Video and A Access Node. Computer Communications and Netw 573.		1-12
A	NEDEV, N. et al. ATM Cell Error Performance of Communications, 11-14 June 2001, Vol. 4, pages 1		1-12
A	SAMOSIR, B.H. PT Telkom Results on Field Tests Technology via ATM Networks. ATM and High Sp 22-25 April 2001, pages 227-230.	of Asymmetric DSL - Lite	1-12
A	US 6,081,530 A (WIHER et al) 27 June 2000 (27.0	6.2000), see attached document.	1-12
A	US 6,246,695 B1 (SEAZHOLTZ et al) 12 June 200 document.	1 (12.06.2001), see attached	i-12
Further	documents are listed in the continuation of Box C.	See patent family annex.	
"A" document	pecial categories of cited documents:  defining the general state of the art which is not considered to be lar relevance	"T" later document published after the inte date and not in conflict with the applic principle or theory underlying the inve	ation but cited to understand the
	plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be conside when the document is taken alone	
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	published prior to the international filing date but later than the ate claimed	*&" document member of the same patent	
	ctual completion of the international search (01.07.2002)	Date of mailing of the international sea	2002
Name and ma	ailing address of the ISA/US	Authorized officer	, , , , ,
Box	unissioner of Patents and Trademarks PCT	Hassan Kizou	1/1/10/1
	hington, D.C. 20231 D. (703)305-3230	Telephone No. 793-805-4750	1/ \VV \VI
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U.S.: 370/264, 265, 300, 352, 395.1, 449, 466, 468, 470, 476, 485, 487, 493  Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched between the extent that such documents are included in the fields searched between the extent that such documents are included in the fields searched between the extent that such documents are included in the fields searched between the extent that such documents are included in the fields searched between the extent that such documents are included in the fields searched between the extent that such documents are included in the fields searched between the extent that such documents are included in the fields searched between the extent that such documents are included in the fields searched between the fields searched between the fields search terms used)  C. DOCUMENTS CONSIDERED TO BE RELEVANT  Category * Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim N KRAIMECHE, B. Integration of VBR Video and ABR Data Sources at a DSL-Based Access Node. Computer Communications and Networks, 11-13 October 1999, pages 568-573.  A NEDEV, N. et al. ATM Cell Error Performance of xDSL Under Impulse Noise.  Communications, 11-14 June 2001, Vol. 4, pages 1254-1258.  A SAMOSIR, B.H. PT Telkom Results on Field Tests of Asymmetric DSL - Lite Technology via ATM Networks. ATM and High Speed Intelligent Internet Symposium.
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A US 6,246,695 B1 (SEAZHOLTZ et al) 12 June 2001 (12.06.2001), see attached 1-12 document.
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Date of the actual completion of the international search  O1 July 2002 (01.07.2002)  Date of mailing of the international search report  O6 AUG 2002
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Commissioner of Patents and Trademarks
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